

METHOD AND APPARATUS FOR FABRICATING  
HELICALLY SHAPED RIBBONS OF MATERIAL

ABSTRACT OF THE DISCLOSURE

Apparatus and methods are utilized to form turbulators. The apparatus includes a first mechanism for accepting a ribbon of material along an axis, a second mechanism for rotating an end of the ribbon of material, and a third mechanism for moving the second mechanism substantially parallel to the axis. The third mechanism is configured to operate independently from the operation of the second mechanism.